DR-89

SYNTHESIS OF A NEW CLASS OF PYRAZOLYL-1,2,4-TRIAZOLE AMINE DERIVATIVES

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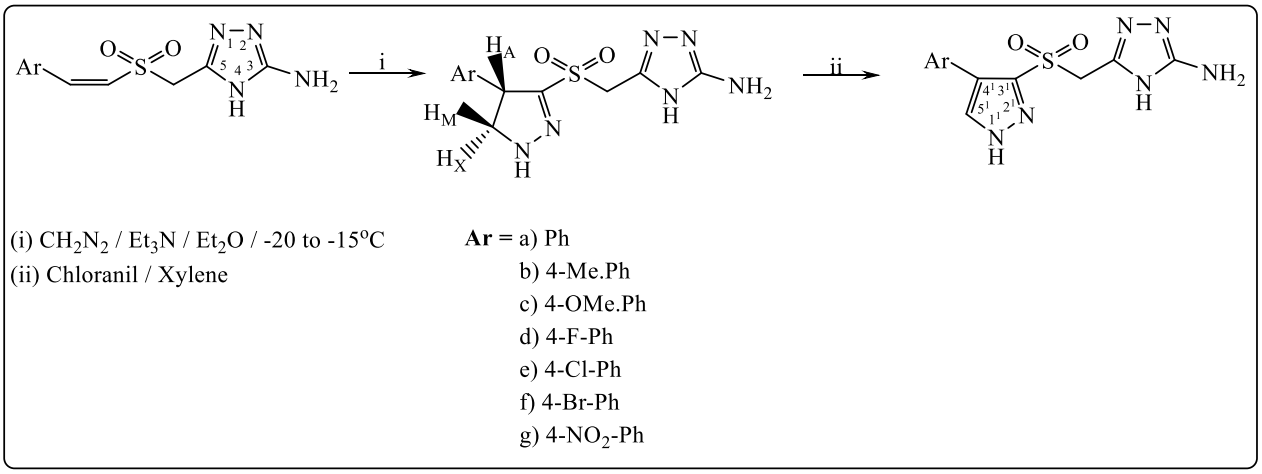
Abstract. Pyrazole, which is a five-membered heterocyclic ring containing two adjacent nitrogen, can be found in many industrial fields. Pyrazole and its derivatives show a variety of pharmaceutical activities such as anti-inflammatory, and antioxidant, antimicrobial, analgesic, and antipyretic activities. On the other hand 1,2,4-triazole nucleus have a broad spectrum of pharmacological activities, including anti-inflammatory, antimicrobial anticancer, antiproliferative and apoptotic properties. Based on the above information, we have been planned to synthesize different pyrazolyl-1,2,4-triazole derivatives.



(i) CH_2N_2 / Et_3N / Et_2O / -20 to -15°C
(ii) Chloranil / Xylene

Ar = a) Ph
b) 4-Me.Ph
c) 4-OMe.Ph
d) 4-F-Ph
e) 4-Cl-Ph
f) 4-Br-Ph
g) 4-NO_2-Ph